

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

HERBST BROTHERS, INC.

ESTABLISHED 1876

CABLE ADDRESS
HERBST - NEW YORK
A. B. C. 5, IMP. & 6, RUD. MOSSE:
BENTLEY, RIBEIRO

92 WARREN STREET
NEW YORK



Shipped only in sealed bags
Price \$5.00 per pound

A handwritten signature in dark ink, which appears to read "Herbst Brothers". The signature is written in a cursive, flowing style with a long horizontal line extending from the end.



ONE-YEAR SCOT'S PINE SEEDLINGS *grown* from "H. B. SPECIAL SEED"

A glance is all you need to absorb the fact that these "H. B." seedlings are a pretty vigorous and even growing lot. They average 5 inches high and look as if they had been sheared with a lawn mower

Photo by Courtesy of Ohio Agricultural Experiment Station, Wooster, Ohio

SCOT'S PINE TREE SEEDS *from* ST

ONLY trees grown from seed with the background our "H. B. SPECIAL SEED" enjoys can be depended upon to inspire such noble lines as these:

"Regal and stately behold it stand
Above its brethren, towering grand,
A sentinel guarding the sleeping land.
Beauty and grace in its form combine
A monarch, born of a noble line,
Long may it be, ere its race decline!
Frost shall not wither a leaf of thine,
Fearless and fadeless Pine!"

The nurseryman seeks a vigorous, well-shaped tree. The problem of the practical forester is to produce for the future a stand of marketable trees which will give the greatest possible return on the investment which extends over several decades before profits can be collected. Neither can afford to take chances on the seed—only the very best justifies their undertaking.

The pictures on this page show what happens when scientifically grown seed is planted—also where seed of unknown lineage is used.

The cut below shows a section of a German forest where "H. B. SPECIAL SEED" is being collected. Note please the perfect straightness of the pines. Note too, the methods of gathering seeds. Trees are climbed and the stem-ripened cones collected by hand from the tree itself—NONE FROM THE GROUND. This stand is but a small part of a large acreage isolated under governmental authority from undesirable pollen influences and devoted to this purpose: to supply seed of the highest grade—seed that shall carry these priceless heritages—straight-growing habit and immense vitality.

LOOKING BACKWARD 160 YEARS

There's a mite of romance connected with the growing of "H. B. SPECIAL SEED."

In 1772 a group of farsighted German foresters recognizing the tremendous reforestation and ornamental values of Scot's Pine (*Pinus sylvestris*) undertook to produce a variety which could be



GERMAN PINE FOREST PLANTATION—SOURCE OF OUR SEEDS

FOREST SCENE *where* SEEDS *are* GATHERED *from* STRAIGHT- GROWING TREES

This is a part of the 100-year-old forest-nursery referred to in the text above. Every practical forester is interested in the lumber possibilities in such a stand



A CLOSE-UP *of a* TYPICAL SEED- GATHERER

Please remember that ALL "H. B. SPECIAL SEED" are gathered from trees—never from the ground. The climber's equipment consists of: a half-bushel cone-bag slung across the shoulder; a lightweight 8 to 10 foot pole with a hooked end for drawing in the cone-bearing branches for ease in picking; and the usual lineman's climbers



RAIGHT-GROWING ANCESTORS!

relied on to grow straight as well as rapidly. All Europe was searched for parents that measured up to this standard and seed secured.

This problem was an investment in decades—yes, in centuries—a period too long for one set of individuals to control. Again, the menace was ever present that cross-pollenization from inferior varieties of Scot's Pine might ruin the work. So the control of the area was vested in the municipalities governing the locations ideal for the purpose. Local laws prevented others from planting Scot's Pine within the districts set aside. Thus effectual protection has been perpetual. The results have justified the methods.

RIGID ELIMINATION OF UNDESIRABLE SPECIMENS OF PINE

Regular plantings were established at definite periods in rotation to insure in subsequent years a continuous crop of seed from trees in their prime. While these seed plots were growing they received extra critical attention from experienced foresters who eliminated, first from seedlings, then from older plants, all individuals that failed to reach the predetermined standards of *growth rapidity*, *straight habit*, *resistance to weather and disease*, and density and color of needles.

Even in the older stages the trees were still watched and critically inspected—their bark, form, position of branches and lumber possibilities noted. Only those that fulfilled the high standards first decided on were permitted to survive. From such trees—under such exceptional conditions

HERBST BROTHER'S SPECIAL SCOT'S PINE TREE SEED

is gathered—the product of the most painstaking tree-breeding in the last 200 years of practical forestry.

♦ ♦ ♦

A TRIBUTE FROM FRANCE

Although France has been one of the foremost nations to promote reforestation on a large scale the authorities in charge watched this experiment with great interest. Finally recognizing its success, in 1864 they secured over 1500 pounds of this seed—in preference to their own—for the nation's reforestation work. Similar recognition has come unsolicited from other parts of Europe, Great Britain, and America.

Crooked Scot's Pine 18 Years Old Produced *from* Seed Gathered *from* "ANYWHERE *and* EVERYWHERE"

The hopelessness of trees such as these is obvious even to a layman. They will never pay for the investment they represent. You can prevent recurrences of misfortunes of this kind—

Plant H. B. Special Scot's Pine Seed

and obtain STRAIGHT and QUICK-GROWING TREES.

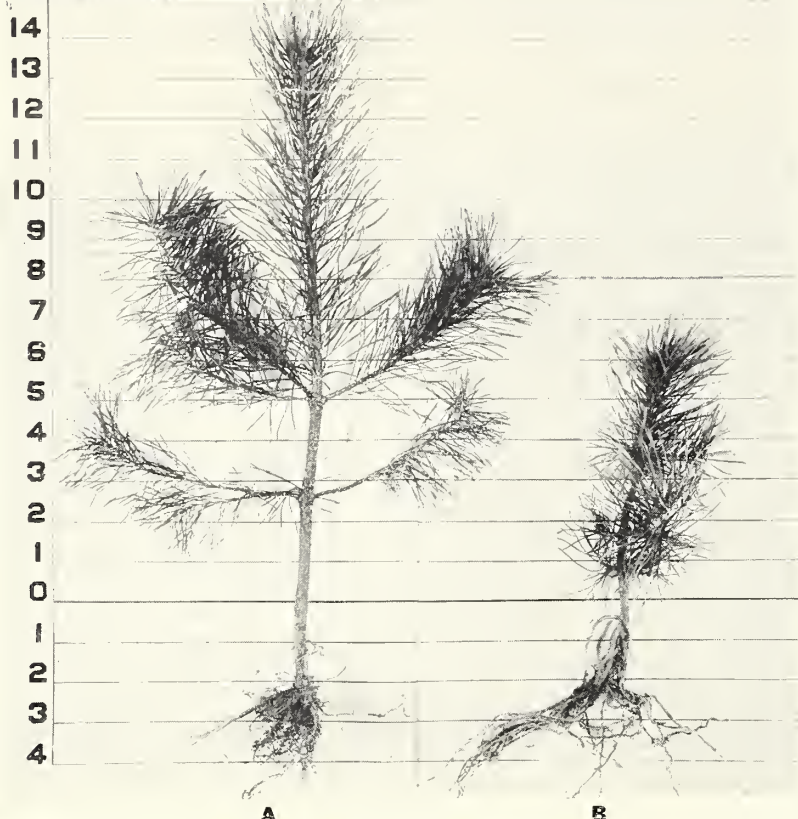


Photo by Courtesy of Ohio Agricultural Experiment Station

HERE'S PROOF *of the* SUPERIOR GROWING QUALITIES OF HERBST BROTHERS' "SPECIAL" SCOT'S PINE TREE SEED

EVERY season more leading Foresters and Nurserymen are becoming convinced that "H. B. SPECIAL SEED" will produce specimens of Scot's Pine as straight and perfect as any grown in Europe—just as quickly too. Its increasing prestige becomes more widespread every year. In all experiments it has produced perfectly straight stems and almost twice the height of other types in the same time. Please note the comparisons below.

15 Inches



THIS COMPARISON IS WORTHY OF STUDY



Photos by Courtesy of Ohio Agricultural Experiment Station

EXPLANATION OF ABOVE DIAGRAM AND COMPARISONS

Compare *A* with *B*—both 4-year Transplants
"A" is from "H. B. SPECIAL SEED"

Compare *C* with *D*—both 5-year Transplants
"D" is from "H. B. SPECIAL SEED"

"C" and "D" are both forest plantings on permanent "location."

♦ ♦ ♦

Germination: Every ounce of "H. B. SPECIAL SEED" is taken from hand-picked cones which have been individually appraised by experienced experts. It is extracted most painstakingly so that we may honestly maintain that it is of the highest germination and viability procurable.

General Data: These trees grow from 65 to 98 feet high and attain an age of 66 to 120 years.

Knots usually on upper third of trunk—lower two-thirds clear. Needles 2 3-10 inches to 3 1-10 inches long—borne in very heavy clusters.

Color of needles; deep green from September to April—a trifle lighter from May to August.

Seedlings reach a height of 4 to 6 inches in first year—growth thereafter, 11 to 25 inches yearly.

♦ ♦ ♦

Provenience: "H. B. SPECIAL" is collected at about 300 feet above sea level.

Longitude: 12 East—*Latitude:* 52 North.

Temperature: Maximum, 104 deg. F.—Minimum, 22 deg. F.

Precipitation: 20 to 23½ inches.

Frost Free Months: Six.